

CLAIM LISTING

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Original) A method for recovering from a failure event on a communication path between an information handling system and a sequential storage device, comprising:
monitoring the communication path during an information exchange for a failure event;
marking, in response to detection of a failure event, a point in the information exchange at which the failure event occurred; and
initiating a continuation of the information exchange from the point of failure on a fail-over communication path between the information handling system and the sequential storage device.
2. (Original) The method of Claim 1, further comprising marking the point of failure in a host bus adapter of the information handling system.
3. (Original) The method of Claim 1, further comprising marking the point of failure in the sequential storage device.
4. (Original) The method of Claim 1, further comprising communicating the point of failure to a fail over host bus adapter on the information handling system using a support driver.
5. (Original) The method of Claim 1, further comprising including an originator exchange identifier, a receiver exchange identifier and a port identifier in the marking of the point of failure.

6. (Original) The method of Claim 1, further comprising querying the sequential storage device by the information handling system for identification of its marked point of failure.

7. (Original) The method of Claim 6, further comprising initiating continuation of the information exchange based on sequential storage device query results.

8. (Original) The method of Claim 1, further comprising passing a pointer to a buffer including contents of the information exchange from a host bus adapter associated with the failed communication path to a fail over host bus adapter associated with a fail over communication path.

9. (Original) Software for completing a transaction between a sequential storage device and a host information handling system after a failure event on a communication path between the sequential storage device and the host information handling system, the software embodied in computer readable media and when executed operable to:

detect a failure event on the communication path;

retain information concerning at least one open exchange being communicated on the communication path;

retrieve an exchange status indicating a point in the exchange at which the failure event occurred; and

continue communication of the exchange based on the exchange status on a fail over path between the host information handling system and the sequential storage device.

10. (Original) The software of Claim 9, further operable to query the sequential storage device for the exchange status indicating the point in the exchange at which the failure event occurred.

11. (Original) The software of Claim 9, further operable to:

read open exchange information from a host bus adapter associated with the failed communication path; and

communicate the open exchange information to a host bus adapter associated with the fail over communication path.

12. (Original) The software of Claim 9, further operable to monitor continued communication of the exchange for an acknowledgment of exchange completion.

13. (Original) The software of Claim 9, further operable to buffer data received in the exchange communication at the sequential storage device.

14. (Original) The software of Claim 9, further operable to retain information concerning at least one open exchange on the host information handling system and the sequential storage device.

15. (Original) An information handling system, comprising:
at least one processor;
a memory operably coupled to the processor;
at least one communication device operably coupled to the processor and the memory,
the communication device operable to communicate data on at least one communication path;
and

a program of instructions storable in the memory and executable by the processor, the
program of instructions operable to mark a point of failure in an information exchange with a
sequential storage device in response to a communication path failure and facilitate
communication of the information exchange with the sequential storage device from the point
of failure on a fail over communication path.

16. (Original) The information handling system of Claim 15, further comprising
the program of instructions operable to respond to a query concerning the information
exchange point of failure.

17. (Original) The information handling system of Claim 15, further comprising
the program of instructions operable to query the sequential storage device to identify the
information exchange point of failure.

18. (Original) The information handling system of Claim 15, further comprising
the program of instructions operable to communicate data concerning the information
exchange to communication hardware associated with the fail over communication path.

19. (Original) The information handling system of Claim 15, further comprising
the program of instructions operable to include at least an originator exchange identifier and a
receiver exchange identifier and marking the point of failure of the information exchange.

20. (Original) The information handling system of Claim 15, further comprising:
a first host bus adapter operable to communicate with the sequential storage device
along a first communication path;

a second host bus adapter operable to communicate with the sequential storage device along a second communication path; and

at least one host bus adapter operable to retain an exchange state for at least one open exchange being communicated on an associated communication path.

21. (Original) The information handling system of Claim 15, further comprising:
a fibre channel interface module operable to receive at least one information exchange on a communication path; and

the fibre channel interface module operable to retain an exchange state for at least one open exchange communicated on the communication path.